

Costs and Returns per acre from growing soft white wheat, 2006
Box Elder County

	Quantity per acre	Unit	Price/cost per unit	Value/cost per acre	Base Value	Your Value
Receipts						
Wheat	92.3	bushels	\$4.28	\$395.35	\$395.35	
Straw	0.70	tons	\$48.00	\$33.60	\$33.60	
	Subtotal			\$428.95	\$428.95	
Operating costs						
Land preparation						
Plowing (every 3rd year)	1/3	acre	\$5.88	\$1.96	\$1.96	
Discing w/ packer	2	acre	\$3.73	\$7.47	\$7.47	
Land plane	2	acre	\$3.34	\$6.69	\$6.69	
Planting	1	acre	\$2.96	\$2.96	\$2.96	
Seed	100	pounds	\$0.17	\$17.00	\$17.00	
Fertilization						
Nitrogen (34-0-0)	308	pounds	\$0.18	\$54.98	\$54.98	
Phosphate (11-52-0)	48	pounds	\$0.18	\$8.57	\$8.57	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Pesticides/herbicides						
Glean	0.25	ounce	\$17.85	\$4.46	\$4.46	
Custom application	1	acre	\$7.82	\$7.82	\$7.82	
Irrigation (siphon)						
Labor	1.33	hours	\$10.00	\$13.33	\$13.33	
Water assessment	1	share	\$10.00	\$10.00	\$10.00	
Repairs/maintenance	1	acre	\$2.30	\$2.30	\$2.30	
Pumping	-	acre inch	\$0.00	\$0.00	\$0.00	
Harvesting						
Custom combine	1	acre	\$26.00	\$26.00	\$26.00	
Haul grain (custom)	92.3	bushel	\$0.06	\$5.54	\$5.54	
Baling	0.70	tons	\$4.79	\$3.35	\$3.35	
Haul/stack straw	0.70	tons	\$3.63	\$2.54	\$2.54	
Crop insurance (75% Yield, 100% Price)	1	acre	\$13.64	\$13.64	\$13.64	
Interest on operating capital			7.61%	\$5.06	\$5.06	
	Subtotal			\$201.49	\$202.34	
Ownership costs (excludes cost of land)						
Farm insurance	1	acre	\$2.00	\$2.00	\$2.00	
Machinery ownership costs	1	acre	\$50.62	\$50.62	\$50.62	
Irrigation equipment costs	1	acre	\$8.25	\$8.25	\$8.25	
	Total costs			\$262.36	\$263.21	
Net returns to owner for unpaid labor, management, equity and risk						
Above operating costs				\$227.46	\$226.61	
Above total listed costs				\$166.59	\$165.74	

Breakeven Table - Wheat

Net returns per acre above operating costs

Yield (Bu/Ac)	Selling Price (\$/Bu)				
	\$3.28	\$3.78	\$4.28	\$4.78	\$5.28
77.30	\$86.81	\$125.46	\$164.11	\$202.76	\$241.41
82.30	\$102.93	\$144.08	\$185.23	\$226.38	\$267.53
87.30	\$119.04	\$162.69	\$206.34	\$249.99	\$293.64
92.30	\$135.16	\$181.31	\$227.46	\$273.61	\$319.76
97.30	\$151.28	\$199.93	\$248.58	\$297.23	\$345.88
102.30	\$167.39	\$218.54	\$269.69	\$320.84	\$371.99
107.30	\$183.51	\$237.16	\$290.81	\$344.46	\$398.11

Assumptions

1. Grain planted in September and harvested in July.
2. Interest computed on planting costs for 10 months and fertilization/herbicide/irrigation costs for 4 months.
3. Machinery operating costs include: fuel, oil, repairs and labor.
4. Machinery ownership costs are allocated based on equipment used for each crop.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.